

APPENDIX C – REQUIREMENTS COMPLIANCE TEMPLATE

Spec. No.	Specification	Fully Compliant	Partially Compliant	Not Compliant	Detail and/or Comments
B.1	Business Model adheres to requirements stated in B.1				
B.2(a)	Wireless Internet access provided throughout the City, universal service				
B.2(b)	Outdoor coverage of 95%				
B.2(c)	Indoor perimeter room coverage on ground and second floor of 90%				
B.2(d)	Indoor perimeter room coverage above second floor of 90%				
B.2(e)	Indoor Interior Room coverage of 90%				
B.3(a)	Network supports concurrent usage by City agencies, residents, businesses, institutions and visitors				
B.3(b)	Network supports the logical segmentation of different “domains”				

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	of users				
B.3(c)	Network supports the ability to prioritize traffic for Public Service and Public Safety				
B.4(a)	Winning Proposer provides access to its wireless broadband Internet access transport services to multiple unaffiliated Service Providers				
B.4(b)	Network supports unilateral, inbound roaming relationships				
B.4(c)	Network supports unilateral, outbound roaming relationships				
B.4(d)	Winning Proposer, and/or any qualified Service Provider affiliated with the winning Proposer, may also provide retail-branded services over the Network				
B.5(a)	Network provides a Fixed Broadband Service, supporting				

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	802.11 b/g devices at a best-effort minimum 1 Mbps symmetric data transmission rate, a dynamic IP address and other Core ISP Services				
B.5(b)	Network provides a Nomadic Broadband Service, supporting 802.11 b/g devices at a best-effort minimum 1 Mbps symmetric data transmission rate, a dynamic IP address and other Core ISP Services				
B.5(c)	Network provides a Portable Broadband Service, supporting 802.11 b/g devices at a best-effort minimum 1 Mbps symmetric data transmission rate, a dynamic IP address and other Core ISP Services. Session-level connectivity maintained for in-motion subscribers at a minimum speed of 30 MPH				
B.5(d)	Network provides				

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	free public access in City-designated parks and public spaces				
B.5(e)	Network provides a Fixed Broadband Service at a discounted rate for low-income subscribers, with same features as non-discounted service				
B.5(f)	Network provide a Fixed Broadband Service at a guaranteed minimum 3 Mbps symmetric data transmission rate (e.g. a wireless T-1 alternative)				
B.5(g)	Winning Proposer allows Service Providers to provision services on a monthly, weekly and daily basis				
B.5(h)	Payment methods include credit and debit card. Other methods exist for users who do not have the ability or do not wish to pay				

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	with credit or debit cards (e.g. pre-paid vouchers, top-off cards).				
B.5(i)	Expected costs of any required CPE for each coverage Requirement stated in Section B.2 and who will be responsible for CPE costs during the provisioning process is provided				
B.5(j)	Network supports wide variety of devices and proprietary, standards-based and open source operating systems				
B.6(a)	Specific wholesale rates provided. Rates, terms and conditions for Service Providers not affiliated with the winning Proposer as favorable as those provided to the winning Proposer and any affiliated Service Providers				
B.6(b)	Rates estimated for				

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	any retail services to be marketed to the public by the winning Proposer				
B.6(c)	Tradeoffs between proposed discounted rate for low-income subscribers and any proposed citywide free service defined				
B.7(a)	Network includes a wireless Access Tier that supports connectivity from 802.11b/g devices through the City				
B.7(b)	Network includes a fixed wireless point-to-multipoint solution as a Backhaul Tier for aggregating Wi-Fi traffic from the Access Tier				
B.7(c)	Network includes a fixed wireless point-to-point solution, using licensed or leased spectrum, or optical fiber, as a Distribution Tier for aggregating traffic from the Backhaul Tier back to an Internet POP				

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B.7(d)	Network traffic is aggregated back to a high-speed Internet backbone service at a POP, which supports layer-three network transit for Service Providers. Redundancy provided				
B.7(e)	Network supports fault tolerance mechanisms to mitigate and/or eliminate single points of failure and ensure high reliability. Network support reliability levels of 99.9% for the Access Tier and 99.999% for the Backhaul Tier, Distribution Tier and POP				
B.7(f)	Network supports contingency mechanisms to insure operation during natural or other disaster. Disaster plan described				
B.7(g)	Network is easily scaled and upgraded in a modular fashion				

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	to support additional subscribers, new applications and new requirements, in order to meet evolving user demands. Percentage of initial capital cost for upgrades provided.				
B.7(h)	All outdoor network equipment complies with IP56/NEMA4 dust and water ingress ratings, withstands ambient temperature ranges of -40 C to +50 C and adheres to all other applicable local ordinances				
B.7(i)	Initial and/or future ability defined for solution to provide, integrate with, coexist with or complement 4.9 GHz wireless public safety technology that may be of value to the City's public safety agencies				
B.7(j)	Network supports backup power for all network equipment sufficient to ensure				

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	continuous operation during a loss of electrical power				
B.8(a)	Tier 1 Support provided by the winning Proposer and qualified Service Providers				
B.8(b)	Tier 2 Support provided by the winning Proposer for all Service Providers				
B.8(c)	Tier 3 Support shall be provided by the winning Proposer for all Service Providers				
B.9(a)	Physical security provided for all critical network equipment components via secured facilities				
B.9(b)	Mechanisms provided to prevent or mitigate the risk of hackers, spammers, denial of service and other forms of malicious attacks on or through the network				

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B.9(c)	No client software that is specific to the winning Proposer or Service Provider(s) required on PCs, laptops or other mobile devices in order to use the network				
B.9(d)	Support for Media Access Control ("MAC") address filtering				
B.9(e)	Support for Wired Equivalent Privacy ("WEP") encryption, including both 64 and 128 bit keys				
B.9(f)	Support for Temporal Key Integrity Protocol ("TKIP") encryption				
B.9(g)	Support for Advanced Encryption Standard ("AES") encryption				
B.9(h)	Support for Wi-Fi Protected Access ("WPA")				
B.9(i)	Support for 802.1x authentication using Extensible Authentication Protocol ("EAP") and Remote				

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	Authentication Dial-In User Service ("RADIUS")				
B.9(j)	Support for the suppression of Extended Service Set Identifier ("ESSID") broadcasts				
B.9(k)	Support for multiple ESSIDs and the ability to map ESSIDs individually to Virtual LANs ("VLANs")				
B.9(l)	Support for filtering of traffic based on Internet Protocol ("IP") addresses, subnets and Transmission Control Protocol ("TCP") ports				
B.9(m)	Support for VPN tunneling using Internet Protocol Security ("IPSec")				
B.9(n)	Support for encryption of all control and network management traffic				
B.9(o)	Network's systems infrastructure complies with all applicable regulatory				

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	requirements monitoring of device activity, real time alerts and notifications and detailed customizable reporting				
B.9(p)	Network's systems infrastructure capable of real time identification, monitoring, auditing and alerting of inappropriate network activity				
B.10(a)	Copy of any and all privacy policies provided. Each privacy policy complies with all applicable federal and state laws				
B.10(b)	Privacy policy addresses all items in B.10(b) through B.10(j)				
B.11(a)	All information requested on Community Programs provided. All questions asked on Community Programs answered				

